

~~-- COUPLING ASSEMBLY --~~  
~~DOUBLE TUBE COUPLING AND~~  
~~MANUFACTURING METHOD THEREOF~~

CROSS-REFERENCE TO RELATED APPLICATIONS

5           This application is based upon and claims the benefit of priority from Japanese Patent Application No. 2003-038637 filed on February 17, 2003; the entire contents of which are incorporated herein by reference.

10                           BACKGROUND OF THE INVENTION

          The present invention relates to a double tube coupling used for connecting a double tube including an outer tube and an inner tube provided inside the outer tube.

          A double tube includes an outer tube for circulating a first  
15 fluid. This coupling includes an inner tube provided inside the outer tube for circulating a second fluid. The inner tube extends outward from the end of the outer tube.

          A double tube coupling includes a first joint for joining the outer tube and a first outside tube each other for guiding the first  
20 fluid. The coupling includes a second joint for joining the inner tube and a second outside tube each other by brazing for guiding the second fluid. The coupling includes a branched portion communicating with the first joint and having a hole for connecting the second joint from outside. The outer tube of the double tube is  
25 connected to the branched portion and the inner tube is inserted